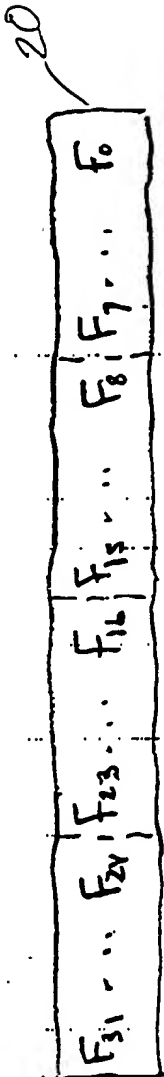


FILTER BLOCK COMPARE (32-BIT)

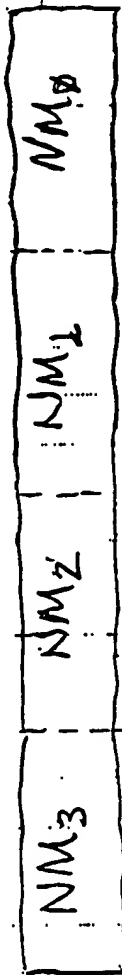
MASK



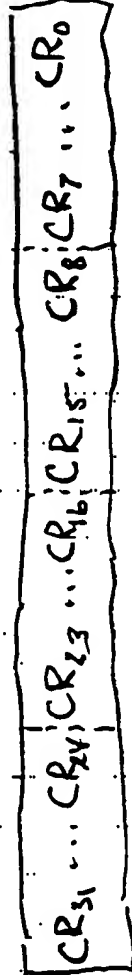
FILTER



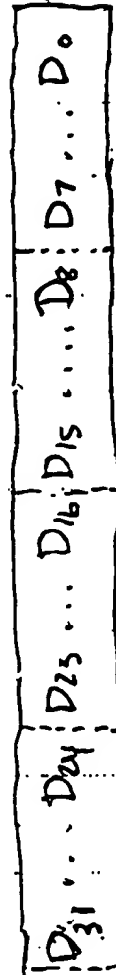
NOT MATCH
INDICATOR



COMPARE
RESULT



DATA



ONLY COMPARE BITS WHERE $M_i = 1$

previous
have
may have

IF $NM = 0$, $CR_i = TRUE(i)$ WHEN $D_i = F_i$, $CR = CR_0 \bullet CR_{31}$
 IF $NM = 1$, $CR_i = TRUE(i)$ WHEN $D_i \neq F_i$, $CR = CR_0 + CR_{31} + 1$

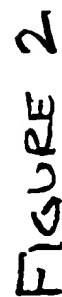
$CR_i = TRUE$
 $\neq M_i = 0$
 implied 1
 implied 0
 off OK

FIGURE 1

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*NOTE: IN MPEG IMPLEMENTATION BYTES 2 & 3 OF THE TABLE SECTION HEADER ARE SKIPPED

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SHEET 3 OF 4

COLUMN 1 COMPARE

FILTER ID_N (ROW_N)FILTER ID_{N-1} (ROW_{N-1})FILTER ID₀ (ROW₀)

NOTE: M MAY EQUAL N.

IF # FILTER BLOCKS IN COLUMN 0
EQUALS # FILTER BLOCKS IN COLUMN 1FILTER BLOCK_{N+M}FILTER BLOCK_{N+M-1}FILTER BLOCK_{N+1}

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IF POSITIVE FILTER,

$$MW(MW = MW_0 \cdot MW_1) \dots$$

IF NEGATIVE FILTER,

$$MW = MW_0 + MW_1 + \dots$$

THIS IS NEW!

BYTE ₀	BYTE ₁	BYTE ₂	BYTE ₃	BYTE ₄	BYTE ₅	BYTE ₆	BYTE ₇	BYTE ₈	BYTE ₉
-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------	-------------------

TABLE SECTION HEADER

DATA
STREAM

FIGURE 3

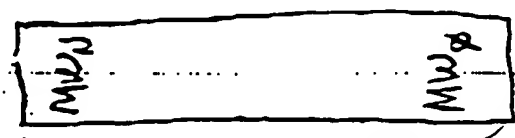
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END0000027

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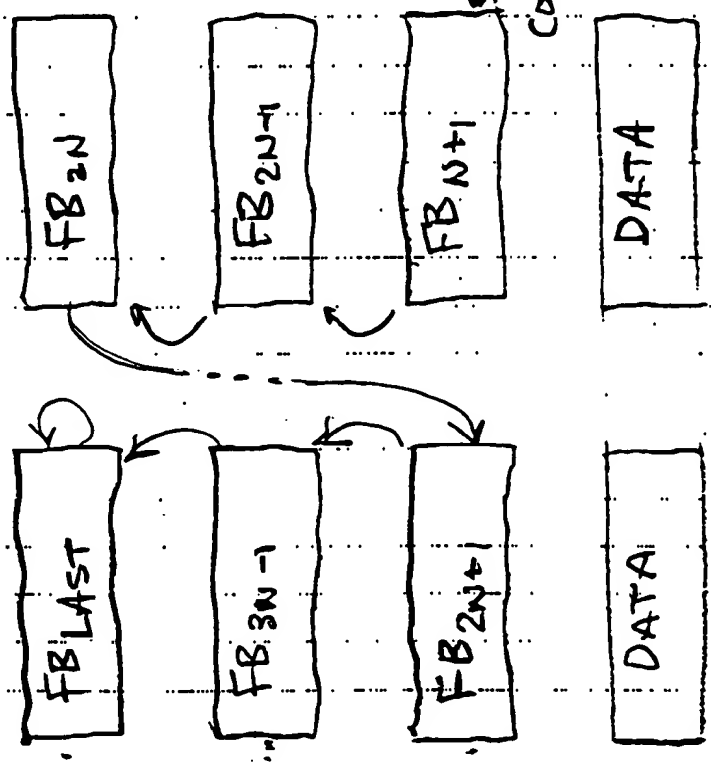
if all 1's & 0's = false
if all 1's & 0's = false
if all 1's & 0's = false

MATCHWORD

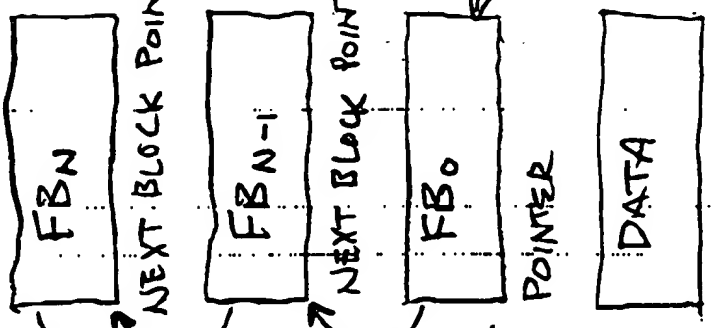


if any bit in the matchword is '1' → send to memory

COLUMN₁



COLUMN₀



ROW_N

ROW_{N-1}

ROW₀ FILTER₀

STARTING BLOCK

DATA STREAM

IF ANY BIT IN THE MATCHWORD IS '1' → SEND TO MEMORY

FIGURE 4

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